



ePM News

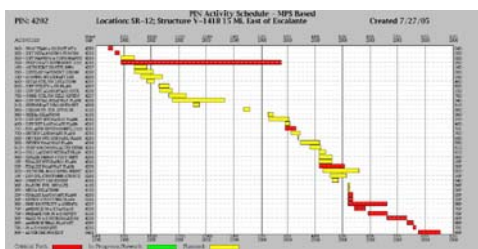
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ePM-generated Gantt Chart is now available!

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One of the benefits obtained from switching forms and reports to version 10g of Oracle, is the ability to generate and graphically display a Gantt chart for a given PIN using Java. To generate a Gantt chart go to the Reports menu, Gantt Data tab, select Gantt Chart and click the Generate Report button (double-clicking Gantt Chart will automatically open the report window). After the PIN for Gantt Report window opens (see figure on next column), type in a PIN, hit Enter and a graphical display of the project's timeline (including the critical path) will be generated in another window and displayed in Adobe Acrobat for easy print formatting. Gantt chart display can be modified based on the following options: Sort Order and Date. The default Sort Order is by Activity (a predetermined activity sequence). Activities may also be sorted by Date, in

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which case the chart is displayed in step down fashion (chronologically), activity by activity. If the user desires to "zoom in" the chart display, he or she may specify a date range by choosing dates from the List of Values (LOV) in the From Date and To date windows. Alternatively, users may input any date in the From Date and To Date window and the system will automatically determine the beginning (From Date) and end (To Date) of the month.

In order to correctly interpret the data presented on the Gantt chart, users should understand the following:

- 1) Gantt chart is only generated for the following PIN status:
 - Active
 - Concept Development
 - Phased Design
- 2) Gantt chart is not available for PINs not included in the previous MPS run

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- 3) If the PIN was removed prior to the last MPS run, the Gantt report displays MPS data resulting from the previous MPS run
- 4) If a PIN is included in the Run, only those activities that were previously scheduled display on the Gantt chart until the next MPS run. After the Run, all activities scheduled by MPS are displayed.
- 5) All Critical path activities are displayed in red
- 6) When the Activity status = Planned
 - Gantt chart displays the Planned Start date and the Planned End date (MPS generated)
 - Only those activities with a Planned End date will display on the Gantt chart (MPS determines this date during the run)
 - Displayed in yellow
- 7) When Activity status = InProgress / Rework
 - Gantt chart displays the Actual Start date and the Projected End date (entered on screen 220)
 - If no Projected End date is available, it displays the Actual Start date plus the Negotiated Duration. When no Negotiated Duration is available, it displays the Actual Start date plus the System Calculated Duration.
 - Displayed in green
- 8) Status of Activities not displayed on the Gantt chart:
 - Inactive
 - Complete / Approval Gained

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9) Gaps may exist between Activities

- Gantt chart is generated using MPS (not SPS) data and certain gaps may exist between contiguous activities
- When activities are assigned to overscheduled Management Units, MPS levels resources by delaying scheduling those activities up to the SPS Late Start date, sometimes creating a gap between predecessor and successor activities
- Gaps may be caused when activities are started out of sequence (started earlier than scheduled) and are completed before the system calculated or target dates

This tool will prove most useful when trying to ascertain overall schedule impacts of altering activity durations or start dates, how activity durations on the critical path affect the project timeline, and to manage project float. Users are encouraged to spend some time familiarizing themselves with this new feature.

ONLY PAYROLL AND PROJECT MANAGEMENT MODULE CLOSED DURING THE RUN

As a result of customer feedback, the ePM system will remain open during the bi-weekly run **with the exception** of Payroll and the Project Management Subsystem. The subsystems that will remain open during the MPS run include (depending on user access privileges) Program Management, Right of Way, Consultant Services and Lessons Learned. For additional information on what takes place every other week during run see *Understanding SPS, CPM and MPS* on page 1 of next month's issue of *ePM News*.

WHERE DO I FIND PREVIOUS ISSUES OF EPM NEWS?

Back issues of *ePM News* can be downloaded from the ePM webpage at <http://www.udot.utah.gov/index.php/m=c/tid=716> from the Downloads window (left side of the screen; it contains a complete listing of all newsletters published to date). Alternatively, users may follow the [ePM News](#) hyperlink under Article Listing at the bottom of the same webpage.